

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

1. 1

- (A) NAME: INSTITUT PASTEUR (B) STREET: 25-28, rue du Dr. Roux
- (C) CITY: PARIS
- (E) COUNTRY: FRANCE
- (F) POSTAL CODE (ZIP): 75724 CEDEX 15
- (A) NAME: INSTITUT PASTEUR DE LILLE
- (B) STREET: 1, rue du Professeur Calmette B.P. 245
- (C) CITY: LILLE
- (E) COUNTRY: FRANCE
- (F) POSTAL CODE (ŽĮP): 59019
- (A) NAME: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
- (B) STREET: 101, rue de Tolbiac
- (C) CITY: PARIS
- (E) COUNTRY: FRANCE
- (F) POSTAL CODE (ZIP): 75654 CEDEX 13
- (ii) TITLE OF INVENTION: PROTEINES RECOMBINANTES DE L'HEMAGGLUTININE FILAMENTEUSE DE BORDETELLA, NOTAMMENT BORDETELLA PERTUSSIS, PROCEDE POUR LEUR PRODUCTION ET LEURS APPLICATIONS A LA PRODUCTION DE PROTEINES ETRANGERES ...
- (iii) NUMBER OF SEQUENCES: 12
- (iv) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
- (v) CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/FR 95/00512

- (vi) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: FR 9404661
 - (B) FILING DATE: 19-APR-1994
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 35 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

	(2) INFORMATION FOR SEQ ID NO: 2:		
-	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 35 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:		
	TAAGATCTCC CGGGCCCCGG GAAGGGAGTT GCAGG		35
	(2) INFORMATION FOR SEQ ID NO: 3:		
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 25 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:		
	TAAGATCTCC ATGGCTGGCG AGCAT	25	
	(2) INFORMATION FOR SEQ ID NO: 4:		
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear		
•	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:		
	TAAGATCTCC GAGCTTTCTG TTG	23	
	(2) INFORMATION FOR SEQ ID NO: 5:		
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 32 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear		

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
-	TAAGGATCCC CATGGCTGGC GAGCATATCA AG	32
	(2) INFORMATION FOR SEQ ID NO: 6:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 38 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
	CCTGTCGACC CTTTCAGAGA TTCGCTGATC ATATTGAG	38
	(2) INFORMATION FOR SEQ ID NO: 7:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 32 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
	TAAGGATCCC CATGGCTGGC GAGCATATCA AG	32
	(2) INFORMATION FOR SEQ ID NO: 8:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 31 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
	TAAGGATCCC GAAGGGAGTT GCAGGCCTGT T	31
	(2) INFORMATION FOR SEQ ID NO: 9:	
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
TITAACCGAT GCGGCCGCCG TTG	23
(2) INFORMATION FOR SEQ ID NO: 10:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 29 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
TATAAGCTTC GAACCTGTAC AGGCTGGTC	29
(2) INFORMATION FOR SEQ ID NO: 11:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 28 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
TCAAAGCTTC GCGTGGTCAA GCGCGAAG	28
(2) INFORMATION FOR SEQ ID NO: 12:	20
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 29 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:	
ATTAAGCTTC CCAGGGCTTG GTTCCTCAG	29

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